

**I CLAIM:**

1. A method for controlled dissolution of a pharmaceutical product in a dissolution medium contained within a vessel, the method comprising steps of:  
  
inducing a flow regime within the vessel characterized by high turbidity and minimum bulk movement of the dissolution medium; and  
  
simultaneously mechanically dispersing solid particles of the pharmaceutical product on a bottom portion of the vessel.
2. A method as claimed in claim 1, wherein the steps of inducing a flow regime within the vessel and simultaneously dispersing solid particles comprise steps of:  
  
providing a brush body adapted to sweep a bottom portion of the vessel;  
  
repeatedly biasing the brush body into sliding engagement with the bottom portion of the vessel and;  
  
causing controlled rotation of the brush body within the vessel.
3. A method as claimed in claim 2, wherein the step of causing controlled rotation of the brush body comprises driving the brush body to rotate at a speed of between 10 and 150 RPM.
4. A method as claimed in claim 2, wherein the step of causing controlled rotation of the brush body

comprises driving the brush body to rotate in a selected direction.

5. A method as claimed in claim 4, wherein the selected direction is constant for at least a duration of a dissolution test.
6. A method as claimed in claim 4, wherein the selected direction is reversed at least once during a dissolution test.
7. A method as claimed in claim 2, wherein the brush body comprises an open structure adapted to admit a flow of dissolution medium through the brush body due to rotation of the brush body within the vessel.
8. A method as claimed in claim 2, wherein the brush body comprises a plurality of closely spaced filaments secured in a helical pattern about a support member.
9. A method as claimed in claim 2, wherein the step of repeatably biasing the brush body into sliding engagement with the bottom portion of the vessel comprises a step of providing means for applying a consistently repeatable bias force to the brush assembly.
10. A method as claimed in claim 9, wherein the means for applying a consistently repeatable bias force comprises any one or more of:  
a spring;  
an elastomeric element; and

a free-sliding coupling.